

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Cancel Claim 1 through Claim 24

Claim 25 (Amended). A bacterial endospore detection system comprising:

an optical detection device containing:

a narrow band width light emitting device that emits light at a wavelength between 260 and 280 nanometers;

~~[wherein said optical detection device further comprises]~~

an optical flow cell; ~~[flowpath]~~

a flow path;

a sampler; and

a marker chemical complexing agent reservoir.

Claim 26 (Original). The system according to claim 25, wherein said optical detection device includes a sample flow device.

Claim 27 (Original). The system according to claim 25, wherein said optical detection device includes an optical analysis device.

Claim 28 (Original). The system according to claim 25, further comprises a marker chemical enhancement agent reservoir.

Claim 29 (Original). The system according to claim 25, further comprises a release agent reservoir.

Claim 30 (Original). The system according to claim 25, wherein said flow path includes at least one mixing zone.

Claim 31 (Original). The system according to claim 30, wherein at least one mixing zone is heated.

Claim 32 (New) The system according to claim 25, wherein the light emitting device is a laser.

Claim 33 (New) The system according to claim 28, wherein the chemical enhancement agent is a phosphate interference suppression agent.

Claim 34 (New) The system according to claim 29, wherein the release agent is cationic surfactant such as dodecylamine.